

TRAFFIC

AADT
PROJECT LENGTH
FUNCTIONAL CLASS
P.D. ONLY ACCIDENTS
INJURY (non fatal) ACCIDENTS
FATAL ACCIDENTS

Miles to 100ths
Determines Width Standard

STANDARD
SUBMITTAL



TOTAL SCORE

Last **3** years

STRUCTURE

DRD
ITN
DTN

Road Rater Structural Rating

ACP Visual
ACP/PCC Visual
PCC Visual

(From CRAB Engineer)

GEOMETRY

Exist Width Proposed Width Standard Design Width

EXISTING LANE WIDTH

EXISTING ROADBED WIDTH

GRAVEL ROAD WIDTH

TERRAIN:

Minimum Design Speed:

HORIZ. CURVES:

Curve No.	Ball Bank Speed: <u>Vb</u>	Score:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

VERT. CURVES:

Curve No.	Exist. Sight <u>Distance</u>	Safe <u>Speed</u>	Score:
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Project No.: _____
 County: _____
 Project Name: _____
 Six Year TIP No. _____

SWR RAP Rating Worksheet
 WAC 136-130-070
 Sheet 1 of 6

Date: _____

<u>WORKSHEET RECAP:</u>		
	<u>Possible Points</u>	<u>Scored Points</u>
<u>TRAFFIC:</u>		
TRAFFIC VOLUME	10	_____
TRAFFIC ACCIDENTS	10	_____
TRAFFIC SUBTOTAL	20	_____
<u>ROAD CONDITION:</u>		
1. STRUCTURAL (Rate only one type) ACP	25	_____
2. SURFACE (Rate same type as above) ACP (25 max), ACP/PCC(50 max), or PCC(50 max)		_____
Gravel Surfaced	50	_____
Record the greater of:		
2 X Structural Points =	=	
or Struct. + Surface Pts =	=	
ROAD CONDITION SUBTOTAL	50	_____
<u>GEOMETRICS:</u> (calculated Design Speed (ADT and Terrain) =		
Pavement Width	10	_____
Road Bed Width	10	_____
Gravel, Roadbed Width only	15	_____
Horiz. and Vert. Alignment	20	_____
GEOMETRICS SUBTOTAL	30	_____
<div style="display: flex; justify-content: space-between;"> <u>COMBINATION OF ROAD COND. AND GEOM.</u> Available Raw Score Calc. Score </div> <div style="display: flex; justify-content: space-between;"> 80 </div>		
<u>TOTAL SWR RAP WORKSHEET RATING</u>	100	<u> </u>

Note:

- Points for the Road Surface Condition Rating other than Gravel Surfaced will be assigned by the RAP Engineer.
- No points are allowed for conditions not to be improved by the project.
- Points assigned must be in proportion to percent of the minimum design standard achieved.

Proposals below design standards require WSDOT deviation approval.

3R RATING METHODS

Rate only for those conditions that will be improved to standard.

Provide detailed description of existing condition (and warrants) the county will improve such as length of deficiency, and percent of project length.

<u>Condition:</u>	<u>Possible Points</u>	<u>Max.</u>	
<u>Turn Lanes:</u> Full points for any turn lane recommended per Design Manual Fig 910-8&11 (No credit for rt turn pockets or tapers).	5	5	
<u>Sideslopes: 6' or Higher Fills at 2:1 or steeper</u> Improve entire project to clear zone or recovery area per Design Manual (Doesn't include location where guardrail is recommended per fig 700-5 due to limited R/W or environmental critical areas	10 Points assigned based on % of project length improved.	10	
<u>Remove Structure and Obstruction from Clear Zone:</u> Proportion points by % of clear zone & recovery areas on project that will be free of obstructions (exception see Utility Relocation.	10	10	
<u>Culvert End Treatments:</u> Only get points if all culvert ends treated	5	5	
<u>Upgrade / Install Guardrail:</u> Only get points if upgrade all guardrail elements & install new guardrail where recommended for entire project.	5	5	
<u>Utility Relocation:</u> Relocate all nonbreakaway utilities for the entire project length within 5' of R/W limits and at least 4' outside of the bottom of ditch	5	5	
		40	30 max. allowed

ITN =

CALCULATING THE DESIGN TRAFFIC NUMBER DTN